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L Number	Hits	Search Text	DB	Time stamp
1	3621	382/170,172,209,217,218,219,220,224,225.cc	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 17:30
2	2657	(triangle) near5 (match\$3 or compar\$5 or differentiate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 17:33
3	13	382/170,172,209,217,218,219,220,224,225.cc and ((triangle) near5 (match\$3 or compar\$5 or differentiate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 17:33
-	2652	(triangle) near5 (match\$3 or compar\$5 or differentiate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 17:31
-	14	(triangle) near5 (match\$3 or compar\$5 or differentiat\$3) same (similar\$3 or likelihood) and ((matrix or matrice) same (coordinate or axi\$3) same (value or parameter or point or element))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 11:33
-	2	("20030086617").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/04 17:23

File 2:INSPEC 1969-2004/Oct W3
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File 6:NTIS 1964-2004/Oct W3
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File 8:Ei Compendex(R) 1970-2004/Oct W3
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(c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2004/Oct 28
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File 248:PIRA 1975-2004/Oct W3
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Set	Items	Description
S1	4516	PLANAR(3N) POINT?
S2	198052	TRIANG?
S3	38571	GEOMETRIC?(3N) (PARAMETER?? OR COORDINATE?)
S4	144	(XY OR X-Y) ()COORDINAT?
S5	32128	S2 AND (VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARSE-?)
S6	35488	S2 AND (MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR - RANKING OR SCORED OR SCORING OR SCORE)
S7	34	FLAG(3N) (MATRIX OR MATRICE??)
S8	1832	S1 AND (PATTERN? OR DESIGN? OR STRUCTURE? OR CHARACTER? OR FORMATION? OR SIGNATURE? OR SIMILARIT?)
S9	554990	FINGERPRINT? OR FINGER()PRINT? OR IRIS OR EYE
S10	19534	BIOMETRIC?
S11	794	S8 AND (CALCULAT? OR MATCH? OR COMPAR? OR CORRELAT? OR CORRESPOND? OR RELATED OR ASSOCIAT?)
S12	65	S11 AND (AUTOMATIC? OR SPONTANEOUS? OR REALTIME OR REAL()TIME OR SIMULTANEOUS?)
S13	29180	(S9 OR S10) AND (DATABASE OR INDEX OR FILE?? OR INDICES OR TABLE?? OR RECORDS)
S14	22545	AU=(HUANG, J? OR HUANG J?)
S15	236321	S2:S6
S16	665	S15 AND (S1 OR S8 OR S11 OR S12)
S17	0	S16 AND S7
S18	0	S16 AND S13
S19	1	S16 AND (S9 OR S10)
S20	11	S12 AND S2
S21	0	S20 AND S7

S22 1 S20 AND (MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR
 RANKING OR SCORED OR SCORING OR SCORE)
 S23 1 S22 NOT S19
 S24 655 S1 AND S2
 S25 1 S24 AND (S9 OR S10)
 S26 0 S25 NOT (S22 OR S19)
 S27 0 S24 AND S7
 S28 293 S3:S5 AND (S9 OR S10)
 S29 191 S28 AND S5
 S30 0 S29 AND S1
 S31 4 S29 AND PLANAR(3N)GRAPH??
 S32 4 S31 NOT (S24 OR S22 OR S19)
 S33 3 RD S32 (unique items)
 S34 0 S1 AND S9 AND S10
 S35 12 S1 AND (S9 OR S10)
 S36 11 S35 NOT (S31 OR S24 OR S22 OR S19)
 S37 9 RD S36 (unique items)
 S38 7 S37 NOT SURGERY
 S39 5 S38 NOT ROBOTICS
 S40 0 (S10 OR FINGERPRINT? OR FINGER()PRINT?) AND S24
 S41 0 S24 AND S7
 S42 3 S24 AND FLAG??
 S43 3 RD S42 (unique items)
 S44 41 S6 AND S8
 S45 0 S44 AND (S10 OR FINGERPRINT? OR FINGER()PRINT?)
 S46 0 S44 NOT (S35 OR S42 OR S31 OR S24 OR S22 OR S19)
 S47 98 S14 AND (S10 OR S9)
 S48 0 S47 AND S1
 S49 0 S47 AND S2
 S50 0 S47 AND S7
 S51 0 S47 AND S4
 S52 13 S14 AND S10
 S53 8 RD S52 (unique items)
 S54 90 S14 AND S9
 S55 0 S54 AND S3
 S56 0 S54 AND S4
 S57 0 S54 AND COORDINATE?

19/3,K/1 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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00903599 Genuine Article#: FE585 No. References: 16

Title: SMOOTH SURFACE RECONSTRUCTION FROM SCATTERED DATA POINTS

Author(s): AGISHTEIN ME; MIGDAL AA

Corporate Source: PRINCETON UNIV, PROGRAM APPL & COMP MATH, FINE
HALL/PRINCETON//NJ/08544

Journal: COMPUTERS & GRAPHICS, 1991, V15, N1, P29-39

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

...Abstract: scattered data points. This method is based on a fast recurrent algorithm for the Delauney **triangulation** followed by rational interpolation inside **triangles**. Preprocessing of data includes sorting and takes $N \log(N)$ time. Afterwards the computational cost...

...of this package includes three dimensional transformations, shading, hidden surface removal, interactive adding points into **triangulation** by mouse, etc. The graphics has been implemented on **Iris -4D**, **SUN-4** and **IBM-5080**.

Research Fronts: 89-0548 001 (DYNAMIC **PLANAR POINT** LOCATION; GEODESIC VORONOI DIAGRAM; CLUSTER SET OF THE LIL SEQUENCE; SIMPLE POLYGONS; HIERARCHICAL REPRESENTATIONS)

?

23/3,K/1 (Item 1 from file: 239)

DIALOG(R)File 239:Mathsci

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02892404 MR 99d#68011

Proceedings of the Ninth Annual ACM-SIAM Symposium on Discrete Algorithms.

Held in San Francisco, CA, January 25--27, 1998.

Publ: Association for Computing Machinery (ACM), New York; Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 1998, xii+704 pp. ISBN: 0-89871-410-9

Language: English

Proceedings: Symposium on Discrete Algorithms,; Symposium: Discrete Algorithms,; San Francisco, CA, 9th Annual ACM-SIAM 9th Annual ACM-SIAM 1998

Subfile: MR (Mathematical Reviews) AMS

Abstract Length: LONG (160 lines)

Reviewer: Editors

...Michelangelo Grigni, David Karger, Philip Klein and Andrzej Woloszyn, A polynomial-time approximation scheme for **weighted** planar graph TSP (33--41); Michael Monagan and Roger Margot, Computing univariate GCDs over number...

...Jeff Erickson and Leonidas J. Guibas, Kinetic binary space partitions for intersecting segments and disjoint **triangles** (extended abstract) (107--116); Pankaj K. Agarwal, Lars Arge, T. M. Murali, Kasturi R. Varadarajan...

...218); Michal Hanckowiak, Michal Karonski and Alessandro Panconesi, On the distributed complexity of computing maximal **matchings** (219--225); Gilad Koren, Amihod Amir and Emanuel Dar, The power of migration in multi-processor scheduling of **real - time** systems (226--235); Eyal Kushilevitz and Yishay Mansour, Computation in noisy radio networks (236--243...

...L\sb p\$ norm (426--435); Tak Wah Lam and Fung Ling Yue, Optimal edge **ranking** of trees in linear time (436--445).

Hisao Tamaki and Takeshi Tokuyama, Algorithms for the...

...based approximation algorithms for scheduling problems (453--462); Richard Cole and Ramesh Hariharan, Approximate string **matching** : a simpler faster algorithm (463--472); David A. Grable and Alessandro Panconesi, Fast distributed algorithms...SAT (521--530); Julien Clement, Philippe Flajolet and Brigitte Vallee, The analysis of hybrid trie **structures** (531--539).

Gerth Stolting Brodal, Finger search trees with constant insertion time (540--549); Mikkel...

...599--608); Udo Adamy and Raimund Seidel, On the exact worst case query complexity of **planar point** location (609--618); David Eppstein, Fast hierarchical clustering and other applications of dynamic closest pairs...
?

33/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03728228 INSPEC Abstract Number: A90129348, C90065707

Title: Recursive sampling of planar graphs and fractal properties of a two-dimensional quantum gravity

Author(s): Agishtein, M.E.; Migdal, A.A.

Author Affiliation: Dept. of Phys., Princeton Univ., NJ, USA

Journal: International Journal of Modern Physics C (Physics and Computers) vol.1, no.1 p.165-79

Publication Date: April 1990 Country of Publication: Singapore

ISSN: 0129-1831

Language: English

Subfile: A C

Title: Recursive sampling of planar graphs and fractal properties of a two-dimensional quantum gravity

...Abstract: a new approach to the Monte-Carlo simulations of two-dimensional gravity. The standard dynamical **triangulation** technique was combined with results of direct enumeration of the cubic graphs. As a result the authors were able to build large (128 K **vertices**) statistically independent random graphs directly. The quantitative correspondence between these results and those obtained by...

...able to conduct all the simulations, which usually require the most powerful computers, on an **Iris** workstation. An opportunity to generate large random graphs allowed the authors to observe that the...

...Identifiers: **planar graphs** ; ...

...dynamical **triangulation** technique...

... **vertices** ; ...

... **Iris** workstation

33/3,K/2 (Item 1 from file: 239)

DIALOG(R)File 239:Mathsci

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03484624 MR 2004a#68002

Proceedings of the Fourteenth Annual ACM-SIAM Symposium on Discrete Algorithms.

Held in Baltimore, MD, January 12--14, 2003.

Publ: Association for Computing Machinery (ACM), New York; Society for Industrial and Applied Mathematics, Philadelphia, PA, 2003, xvi+874 pp. ISBN: 0-89871-538-5

Language: English

Proceedings: Symposium and Discrete Algorithms,; Baltimore, MD, 14th Annual ACM-SIAM 2003

Subfile: MR (Mathematical Reviews) AMS

Abstract Length: LONG (270 lines)

Reviewer: Editors

...Bettina Speckmann and Csaba D. Toth, Allocating vertex π -guards in simple polygons via pseudo- **triangulations** (109--118)\refcno 1 974 908\endrefcno ; Gill Barequet, Michael T. Goodrich, Aya Levi-Steiner...

...915\endrefcno ; Fedor V. Fomin and Dimitrios M. Thilikos [Dimitris M. Thilikos], Dominating sets in **planar graphs** : branch-width and

exponential speed-up (168--177)\refcno 1 974 916\endrefcno ; Mikkel Thorup
...

...933\endrefcno ; Olivier Devillers and Monique Teillaud, Perturbations
and vertex removal in a 3D Delaunay **triangulation** (313--319)\refcno 1
974 934\endrefcno ; Menelaos I. Karavelas and Ioannis Z. Emiris, Root...

...935\endrefcno ; Mary Cryan, Martin Dyer, Haiko Muller and Leen Stougie,
Random walks on the **vertices** of transportation polytopes with constant
number of sources (330--339)\refcno 1 974 936\endrefcno...

...Chris Peikert, Abhi Shelat and Adam Smith [Adam Smith 2], Lower bounds
for collusion-secure **fingerprinting** (472--479)\refcno 1 974
954\endrefcno ; Harry Buhrman, Lance Fortnow, Ilan Newman and Hein...

...1 974 974\endrefcno ; Markus Blaser, A new approximation algorithm for
the asymmetric TSP with **triangle** inequality (638--645)\refcno 1 974
975\endrefcno ; Moshe Lewenstein and Maxim Sviridenko [M. I...

33/3,K/3 (Item 2 from file: 239)

DIALOG(R) File 239:Mathsci

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02248954 MR 91m#05079

Every planar map is four colorable.

With the collaboration of J. Koch.

Appel, Kenneth

Haken, Wolfgang

Contributors: Koch, J.

Publ: American Mathematical Society, Providence, RI,

1989, xvi+741 pp. ISBN: 0-8218-5103-9

Series: Contemporary Mathematics, 98.

Language: English

98

Contemporary Mathematics,

Subfile: MR (Mathematical Reviews) AMS

Abstract Length: LONG (256 lines)

Reviewer: Bernhart, F. (Rochester, NY)

...the book concern the 4CC in a form dual to that of the title: every
planar graph is vertex 4-colorable. Elementary reasoning suffices to
prove that a **planar graph** is colorable when smaller graphs are if it is
other than a highly connected planar **triangulation** with minimal degree
five. Such a graph is the dual of a unique cubic map...

...configuration'' is essentially determined by a rooted circuit
surrounding \$m\$ explicitly given faces on one **side**, and touching a cyclic
sequence of \$n\$ faces on the other (the ``ring''). In the...

...\$n-1)/8\$ essentially different colorings for the ring. Those which permit
the \$m\$ ``interior'' **vertices** to be colored are easily found. ...
Reduction proves the graph is colorable since there is a ring pattern that
fits both **sides**.

Since the proof appeared, this reviewer and several others have
investigated the foundations of a...

...I and various appendices. No finite list of reductions, however large,
is adequate unless each **planar graph** of the type described contains at
least one. This was done earlier for **planar graphs** with a size bound by
Franklin, Reynolds, Winn, and others, who employed complex counting

arguments...

...known from experience that a configuration oversupplied with V 5 and V 6 **vertices** is likely to have a reducible subconfiguration. So charge is moved and recombined in order...neighbor-degrees $6, 5, x, 5, 6$. Still another definition (p. 37) does not include **triangulation** as a condition.

A related remark concerns the fact that there are very many special...

...reducible diagrams a V 6 and a V 5 are hard for the **eye** to distinguish, and there is no independent way to determine ring size.

These are a...

?

39/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

8144374 INSPEC Abstract Number: A2004-23-4280A-009, C2004-12-4188-001

Title: Generalised Maxwell fish eye - and Eaton-Lipman lens calculation

Author(s): Kotlyar, V.V.; Melekhin, A.S.

Author Affiliation: Samara State Aerosp. Univ., Russia

Journal: Komp'uternaya Optika no.24 p.53-7

Publisher: Mezhdunarodnyj Centr Naucnoj i Tehniceskoj Informacii,

Publication Date: 2002 Country of Publication: Russia

ISSN: 0134-2452

SICI: 0134-2452(2002)24L:53:GMFE;1-D

Material Identity Number: B230-2003-003

Language: Russian

Subfile: A C

Copyright 2004, IEE

Title: Generalised Maxwell fish eye - and Eaton-Lipman lens calculation

...Abstract: hemisphere with spherically symmetrical Rl distribution focuses the planar pencil of rays incident upon its **planar** surface into a **point** located on the axis of the incident beam at some distance from the hemisphere. The lens turned out to be generalisation of the known Maxwell fish **eye** lens. Another lens is generalisation of Eaton-Lipman one and reflects (or refracts) any ray...

Identifiers: Maxwell fish **eye** -lens...

39/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

7086419 INSPEC Abstract Number: C2001-12-3390M-040

Title: Vision based position control of a robot manipulator using wavelet based feature extraction

Author(s): Kwang-Ho Park; Hwan-Jin Cho; Chang-Doo Kee; Sang-Hwa Jeong

Author Affiliation: Dept. of Mech. Eng., Chonnam Nat. Univ., Kwangju, South Korea

Conference Title: ISIE 2001. 2001 IEEE International Symposium on Industrial Electronics Proceedings (Cat. No.01TH8570) Part vol.1 p. 237-42 vol.1

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2001 Country of Publication: USA 3 vol. xv+2147 pp.

ISBN: 0 7803 7090 2 Material Identity Number: XX-2001-01368

U.S. Copyright Clearance Center Code: 0 7803 7090 2/2001/\$10.00

Conference Title: ISIE 2001. 2001 IEEE International Symposium on Industrial Electronics Proceedings

Conference Sponsor: IEEE Ind. Electron. Soc.; Pusan Nat. Univ.; Changwon Nat. Univ.; Inst. Control, Autom. & Syst. Eng.; Soc. Instrum. & Control Eng. Japan; Samsung Electron.; LG Electron.; LG Electron.; Pusan-Kyungnam Automotive Techno Center; Res. Inst. Comput., Inf. & Commun

Conference Date: 12-16 June 2001 Conference Location: Pusan, South Korea

Language: English

Subfile: C

Copyright 2001, IEE

...Abstract: this paper, we present a novel technique for wavelet based corner detection as image feature **points** in a **planar** object for aligning a robot gripper with the object. Wavelets are suitable for the

detection...

... the object contour signals. These image features are used as final targets to guide the **eye** -in-hand robotic system to attain the desired orientation and height from which the gripping...

...Identifiers: **eye** -in-hand robotic system

39/3,K/3 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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05909982 E.I. No: EIP01426688260

Title: Vision based position control of a robot manipulator using by wavelet based feature extraction

Author: Park, K.-H.; Cho, H.-J.; Kee, C.-D.; Jeong, S.-H.

Conference Title: 2001 IEEE International Symposium on Industrial Electronics Proceedings (ISIE 2001)

Conference Location: Pusan, South Korea Conference Date: 20010612-20010616

E.I. Conference No.: 58501

Source: IEEE International Symposium on Industrial Electronics v 1 2001.
p 237-242 (IEEE cat n 01TH8570)

Publication Year: 2001

CODEN: 85PTAR

Language: English

...Abstract: this paper, we present a novel technique for wavelet based corner detection as image feature **points** in a **planar** object for aligning a robot gripper with the object. Wavelets are suitable for the detection...

...the object contour signals. These image features are used as final targets to guide the **eye** -in-hand robotic system to attain the desired orientation and height from which the gripping...

39/3,K/4 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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12443921 Genuine Article#: 767DX No. References: 56

Title: The grainy head transcription factor is essential for the function of the frizzled pathway in the Drosophila wing

Author(s): Lee HY; Adler PN (REPRINT)

Corporate Source: Univ Virginia, Dept Biol, Charlottesville//VA/22903

(REPRINT); Univ Virginia, Dept Biol, Charlottesville//VA/22903; Univ Virginia, Ctr Canc, Charlottesville//VA/22903

Journal: MECHANISMS OF DEVELOPMENT, 2004, V121, N1 (JAN), P37-49

ISSN: 0925-4773 Publication date: 20040100

Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Abstract: The Drosophila wing is covered by an array of distally **pointing** hairs. This tissue **planar** polarity is regulated by the frizzled pathway. We have found that the function of the...

...Identifiers--PLANAR CELL POLARITY; 7-PASS TRANSMEMBRANE CADHERIN; TISSUE POLARITY; DROSOPHILA **EYE** ; ASYMMETRIC LOCALIZATION; BINDING-SITES; TARGET GENES; VAN-GOGH; MORPHOGENESIS; FATE

39/3,K/5 (Item 2 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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00963476 Genuine Article#: FK366 No. References: 41

Title: A NEAREST HYPERRECTANGLE LEARNING-METHOD

Author(s): SALZBERG S

Corporate Source: JOHNS HOPKINS UNIV,DEPT COMP SCI/BALTIMORE//MD/21218

Journal: MACHINE LEARNING, 1991, V6, N3, P251-276

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

...Abstract: three different domains, for which results are presented
below: prediction of breast cancer, classification of **iris** flowers,
and prediction of survival times for heart attack patients. The
results in these domains...

...Research Fronts: 0066 002 (EARLY WORK IN COGNITIVE SCIENCE; KNOWLEDGE
ACQUISITION; CHILDRENS MEMORY)

89-0548 001 (DYNAMIC **PLANAR** **POINT** LOCATION; GEODESIC VORONOI
DIAGRAM; CLUSTER SET OF THE LIL SEQUENCE; SIMPLE POLYGONS; HIERARCHICAL
REPRESENTATIONS)

89...

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43/3,K/1 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.

02464011 Genuine Article#: LD073 No. References: 41

Title: REPRESENTING GEOMETRIC STRUCTURES IN D-DIMENSIONS - TOPOLOGY AND ORDER

Author(s): BRISSON E

Corporate Source: WELLESLEY COLL, DEPT COMP SCI/WELLESLEY//MA/02181; UNIV
WASHINGTON/SEATTLE//WA/98195

Journal: DISCRETE & COMPUTATIONAL GEOMETRY, 1993, V9, N4, P387-426

ISSN: 0179-5376

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Research Fronts: 91-4361 005 (RELATIVE NEIGHBORHOOD GRAPHS; VORONOI
DIAGRAMS; DYNAMIC **PLANAR POINT** LOCATION; COMPUTATIONAL GEOMETRY; 3D
CONVEX-HULL ALGORITHM; DELAUNAY **TRIANGULATION**)

91-1283 001 (GROUPS FOR GEOMETRIES; BRAUER CHARACTERS; **FLAG**
-TRANSITIVE EXTENSIONS; SYLOW SUBGROUPS)

91-1813 001 (LOCAL COHOMOLOGY MODULES; INTEGRAL CLOSURES; RINGS OF
DIFFERENTIAL...

43/3,K/2 (Item 2 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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02344080 Genuine Article#: KV505 No. References: 20

**Title: ALGORITHM FOR SEMIAUTOMATIC SORTING OF OBJECTS TO SPECIFIED TISSUE
DOMAINS - AN AID FOR COORDINATING MORPHOMETRIC DATA WITH IDENTIFIED
TISSUE-COMPONENTS**

Author(s): SIKLOS L; KUHN T U

Corporate Source: BIOL RES CTR, INST BIOPHYS, MOLEC NEUROBIOL LAB, POB
521/H-6701 SZEGED//HUNGARY//; MAX PLANCK INST BIOPHYS & CHEM, DEPT
NEUROBIOL/W-3400 GOTTINGEN//GERMANY/

Journal: JOURNAL OF NEUROSCIENCE METHODS, 1993, V46, N3 (MAR), P217-224

ISSN: 0165-0270

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

...Abstract: neighbouring perimeter points. The 'items' to be sorted are
classified by the sign of marker **flags** allocated to each point
depending on which side of the perimeter segment they are located...

...operator which may result during the procedure in multiple changes of
the sign of the **flags** . The internal or external location of each item
finally is represented by the last sign of its **flag** . Objects,
allocated to domains can be counted and processed further for numerical
density determination.

...Research Fronts: ATUBULAR GLOMERULI; PYRITHIAMINE-INDUCED
THIAMINE-DEFICIENCY)

91-4361 001 (RELATIVE NEIGHBORHOOD GRAPHS; VORONOI DIAGRAMS; DYNAMIC
PLANAR POINT LOCATION; COMPUTATIONAL GEOMETRY; 3D CONVEX-HULL
ALGORITHM; DELAUNAY **TRIANGULATION**)

91-4726 001 (MORPHOMETRIC ANALYSIS OF CAPILLARY GEOMETRY; PRIMARY NB
PHASE IN NB; QUANTIFYING LUNG...

43/3,K/3 (Item 3 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
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02198638 Genuine Article#: KH763 No. References: 15

Title: THE AUSLANDER-REITEN QUIVERS OF NONLOCAL BASS RINGS

Author(s): HAEFNER J

Corporate Source: UNIV COLORADO/COLORADO SPRINGS//CO/80933

Journal: COMMUNICATIONS IN ALGEBRA, 1993, V21, N2, P483-509

ISSN: 0092-7872

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Research Fronts: 91-1283 001 (GROUPS FOR GEOMETRIES; BRAUER CHARACTERS;
FLAG -TRANSITIVE EXTENSIONS; SYLOW SUBGROUPS)

91-1813 001 (LOCAL COHOMOLOGY MODULES; INTEGRAL CLOSURES; RINGS OF
DIFFERENTIAL-OPERATORS)

91-4361 001 (RELATIVE NEIGHBORHOOD GRAPHS; VORONOI DIAGRAMS; DYNAMIC
PLANAR POINT LOCATION; COMPUTATIONAL GEOMETRY; 3D CONVEX-HULL
ALGORITHM; DELAUNAY **TRIANGULATION**)

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53/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

7145978 INSPEC Abstract Number: C2002-02-5260B-262

Title: Comparative performance evaluation of gray-scale and color information for face recognition tasks

. Author(s): Gutta, S.; Huang, J. ; Chengjun Liu; Wechsler, H.
Author Affiliation: Philips Res., Briarcliff Manor, NY, USA
Conference Title: Audio- and Video-Based Biometric Person Authentication.
Third International Conference, AVBPA 2001. Proceedings (Lecture Notes in
Computer Science Vol.2091) p.38-43
Editor(s): Bigun, J.; Smeraldi, F.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 2001 Country of Publication: Germany xiii+374 pp.
ISBN: 3 540 42216 1 Material Identity Number: XX-2001-02090
Conference Title: Audio- and Video-Based Biometric Person Authentication.
Third International Conference, AVBPA 2001. Proceedings
Conference Sponsor: Halmstead Univ.; Int. Assoc. Pattern Recognition;
VISIT program of the Swedish Found. for Strategic Res.; et al
Conference Date: 6-8 June 2001 Conference Location: Halmstad, Sweden
Language: English
Subfile: C
Copyright 2002, IEE
Author(s): Gutta, S.; Huang, J. ; Chengjun Liu; Wechsler, H.
Descriptors: **biometrics** (access control...

53/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6868035 INSPEC Abstract Number: C2001-04-5260B-199

Title: Thinning and calculation of center point for online fingerprint verification system

Author(s): Liu Jia-Feng; Huang Jian-Hua ; Tang Xiang-Long; Zhao Quan;
Zhao Bin
Author Affiliation: Dept. of Comput. Sci. & Eng., Harbin Inst. of
Technol., China
Journal: Journal of the Harbin Institute of Technology vol.32, no.6
p.91-6
Publisher: Harbin Inst. Technol.,
Publication Date: Dec. 2000 Country of Publication: China
CODEN: HPKYAY ISSN: 0367-6234
SICI: 0367-6234(200012)32:6L.91:TCCP;1-R
Material Identity Number: B927-2001-001
Language: Chinese
Subfile: C
Copyright 2001, IEE

Author(s): Liu Jia-Feng; Huang Jian-Hua ; Tang Xiang-Long; Zhao Quan;
Zhao Bin
...Identifiers: **biometrics**

53/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

5614565 INSPEC Abstract Number: C9708-5260B-086

Title: Automatic video-based person authentication using the RBF network
Author(s): Wechsler, H.; Kakkad, V.; **Huang, J.** ; Gutta, S.; Chen, V.
Author Affiliation: Dept. of Comput. Sci., George Mason Univ., Fairfax, VA, USA
Conference Title: Audio- and Video-Based Biometric Person Authentication. First International Conference, AVBPA'97. Proceedings p.85-92
Editor(s): Bigun, J.; Chollet, G.; Borgefors, G.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1997 **Country of Publication:** Germany xii+450 pp.
ISBN: 3 540 62660 3 **Material Identity Number:** XX97-00558
Conference Title: Proceedings of First International Conference on Audi and Video based Biometric Person Authentication (AVBPA)
Conference Date: 12-14 March 1997 **Conference Location:** Crans-Montana, Switzerland
Language: English
Subfile: C
Copyright 1997, IEE

Author(s): Wechsler, H.; Kakkad, V.; **Huang, J.** ; Gutta, S.; Chen, V.
...Abstract: more forensic information becomes available on video we address in this paper automatic video-based **biometric** person authentication (AVBPA). Possible tasks and application scenarios under consideration involve detection and tracking of...
...Descriptors: **biometrics** (access control
Identifiers: video-based **biometric** person authentication...

53/3,K/4 (Item 1 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05164270 E.I. No: EIP98114478228
Title: Effects of lid suturing and trans-scleral cryotherapy on ocular growth in a piglet model
Author: Shih, Yung-Feng; Yang, Chung-May; Lin, Szu-Yuan; **Huang, Jen-Shang** ; Lin, Luke L.-K.; Hung, Por Tying
Corporate Source: Natl Taiwan Univ Hospital, Taipei, Taiwan
Source: Optometry and Vision Science v 75 n 10 Oct 1998. p 758-762
Publication Year: 1998
CODEN: OVSCET **ISSN:** 1040-5488
Language: English

Author: Shih, Yung-Feng; Yang, Chung-May; Lin, Szu-Yuan; **Huang, Jen-Shang** ; Lin, Luke L.-K.; Hung, Por Tying
...Abstract: groups (N equals 4) received both cryotherapy and lid suturing. The cycloplegic refraction, corneal power, **biometric** axial length, and intraocular pressure (IOP) were measured before the experiments and 4 months later...

53/3,K/5 (Item 1 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci
(c) 2004 Inst for Sci Info. All rts. reserv.
08845183 Genuine Article#: 335XQ No. References: 31
Title: Evaluation of optic disc changes in severe myopia
Author(s): Wang TH; Lin SY; Shih YF (REPRINT) ; **Huang JK** ; Lin LLK; Hung PT
Corporate Source: NATL TAIWAN UNIV HOSP,DEPT OPHTHALMOL, 7 CHUNG SHAN S RD/TAIPEI//TAIWAN/ (REPRINT); NATL TAIWAN UNIV HOSP,DEPT

OPHTHALMOL/TAIPEI//TAIWAN/
Journal: JOURNAL OF THE FORMOSAN MEDICAL ASSOCIATION, 2000, V99, N7 (JUL)
, P559-563
ISSN: 0929-6646 Publication date: 20000700
Publisher: EXCERPTA MEDICA ASIA LTD, 19/F, EIGHT COMMERCIAL TOWER, 8 SUN
YIP ST, CHAI WAN, HONG KONG
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Author(s): Wang TH; Lin SY; Shih YF (REPRINT) ; **Huang JK** ; Lin LLK; Hung
PT

...Abstract: years) with myopia of -3.0 D or less, Measurements included
cycloplegic refraction, corneal curvature, **biometric** axial length,
and morphometric values of the optic disc obtained with a laser
scanning disc...

53/3,K/6 (Item 1 from file: 65)
DIALOG(R)File 65:Inside Conferences
(c) 2004 BLDSC all rts. reserv. All rts. reserv.

04650083 INSIDE CONFERENCE ITEM ID: CN048587793
Component-Based Face Recognition with 3D Morphable Models
Huang, J. ; Heisele, B.; Blanz, V.
CONFERENCE: Audio-and video-based biometric person authentication-
International conference; 4th
LECTURE NOTES IN COMPUTER SCIENCE, 2003; (NO) 2688 P: 27-34
Berlin, Springer, 2003
ISSN: 0302-9743 ISBN: 3540403027
LANGUAGE: English DOCUMENT TYPE: Conference Preprinted papers
CONFERENCE EDITOR(S): Kittler, J.; Nixon, M. S.
CONFERENCE SPONSOR: University of Surrey
International Association of Pattern Recognition (IAPR)
CONFERENCE LOCATION: Guildford 2003; Jun (200306) (200306)
NOTE:
Also known as AVBPA 2003

Huang, J. ; Heisele, B.; Blanz, V.
DESCRIPTORS: audio-based **biometric** person authentication; video-based
biometric person authentication; AVBPA; pattern recognition; IAPR;
audio based **biometric** person authentication; video based
biometric person authentication; signal processing; speech; vision

53/3,K/7 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal
(c) 2004 INIST/CNRS. All rts. reserv.

15651504 PASCAL No.: 02-0357192
**Varying-coefficient models and basis function approximations for the
analysis of repeated measurements**
HUANG Jianhua Z ; WU Colin O; LAN ZHOU
Department of Statistics, University of Pennsylvania, Philadelphia,
Pennsylvania 19104, United States; Department of Mathematical Sciences, The
Johns Hopkins University, Baltimore, Maryland 21218, United States; Center
for Clinical Epidemiology and Biostatistics, University of Pennsylvania,
Philadelphia, Pennsylvania 19104, United States
Journal: Biometrika, 2002, 89 (1) 111-128
Language: English

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HUANG Jianhua Z ; WU Colin O; LAN ZHOU

...English Descriptors: estimation; Confidence interval; Multivariate analysis; Statistical regression; Variance analysis; Covariance analysis; Asymptotic behavior; Statistical method; **Biometrics** ; Medical science; Biased estimation; Consistent estimator; Asymptotic convergence; Statistical simulation; Epidemiology; Covariate; Observation data; Conditional...

53/3,K/8 (Item 2 from file: 144)

DIALOG(R)File 144:Pascal

(c) 2004 INIST/CNRS. All rts. reserv.

13802485 PASCAL No.: 98-0517094

Effects of lid suturing and trans-scleral cryotherapy on ocular growth in a piglet model gl

SHIH Y F; YANG C M; LIN S Y; **HUANG J S** ; LIN L L K; POR TYING HUNG

Department of Ophthalmology, National Taiwan University Hospital, Taipei, Taiwan

The Association for Research in Vision and Ophthalmology (Ft. Lauderdale, FL USA) 1997-05-12

Journal: Optometry and vision science, 1998, 75 (10) 758-762

Language: English

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SHIH Y F; YANG C M; LIN S Y; **HUANG J S** ; LIN L L K; POR TYING HUNG

... treatment groups (N = 4) received both cryotherapy and lid suturing. The cycloplegic refraction, corneal power, **biometric** axial length, and intraocular pressure (IOP) were measured before the experiments and 4 months later...

?

File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Jun(Updated 041004)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200467
(c) 2004 Thomson Derwent

Set	Items	Description
S1	343	PLANAR(3N)POINT?
S2	83240	TRIANG?
S3	1747	GEOMETRIC?(3N)(PARAMETER?? OR COORDINATE?)
S4	819	(XY OR X-Y)()COORDINAT?
S5	39653	S2 AND (VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARSE-?)
S6	9315	S2 AND (MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR - RANKING OR SCORED OR SCORING OR SCORE)
S7	25	FLAG(3N)(MATRIX OR MATRICE??)
S8	128	S1 AND (PATTERN? OR DESIGN? OR STRUCTURE? OR CHARACTER? OR FORMATION? OR SIGNATURE? OR SIMILARIT?)
S9	86350	FINGERPRINT? OR FINGER()PRINT? OR IRIS OR EYE
S10	1830	BIOMETRIC?
S11	32	S8 AND (CALCULAT? OR MATCH? OR COMPAR? OR CORRELAT? OR CORRESPOND? OR RELATED OR ASSOCIAT?)
S12	8	S11 AND (AUTOMATIC? OR SPONTANEOUS? OR REALTIME OR REAL()T-IME OR SIMULTANEOUS?)
S13	5006	(S9 OR S10) AND (DATABASE OR INDEX OR FILE?? OR INDICES OR TABLE?? OR RECORDS)
S14	3153	AU=(HUANG, J? OR HUANG J?)
S15	187109	IC=G06K?
S16	1	S2 AND S7
S17	15	S14 AND S2
S18	0	S17 AND S1
S19	1	S17 AND (S9 OR S10)
S20	5	S12 AND S15
S21	5	S20 NOT (S16 OR S19)
S22	3	S11 AND (S9 OR S10)
S23	0	S22 NOT (S16 OR S19 OR S20)
S24	1	S5 AND S6 AND S7
S25	0	S24 NOT (S16 OR S19 OR S20)
S26	1	S7 AND S2
S27	0	S26 NOT (S16 OR S19 OR S20)
S28	537	S2 AND (S9 OR S10)
S29	73	S28 AND (MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR RANKING OR SCORED OR SCORING OR SCORE)
S30	33	S29 AND (VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARSE?)
S31	32	S30 NOT (S16 OR S19 OR S20)
S32	2	S31 AND S15
S33	2	S1 AND S13
S34	0	S33 NOT (S30 OR S16 OR S19 OR S20)

16/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015553988 **Image available**
WPI Acc No: 2003-616143/200358
XRPX Acc No: N03-490588

Triangle auto matching method, involves determining triangle
weighting value combined with triangle coarse matching, and calculating
similarity depending on triangle weighting value

Patent Assignee: HUANG J (HUAN-I)

Inventor: HUANG J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030086617	A1	20030508	US 200140114	A	20011025	200358 B

Priority Applications (No Type Date): US 200140114 A 20011025

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030086617	A1	27	G06K-009/68	

Triangle auto matching method, involves determining triangle
weighting value combined with triangle coarse matching, and calculating
similarity depending on triangle weighting value

Abstract (Basic):

... The method involves generating a set of **triangular** units and
matching related **flag matrices** upon a coordinate. A **triangular**
weighting value combined with **triangle** coarse matching depending on
the **triangular** elements and **flag matrices** is determined. The
coordinate is converted depending on a **triangle** weighting value and
calculating similarity depending on the **triangle** weighting value.
... The drawing shows a flow diagram of the **triangle** auto matching
method...

Title Terms: **TRIANGLE** ;

?

19/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015553988 **Image available**
WPI Acc No: 2003-616143/200358
XRPX Acc No: N03-490588

Triangle auto matching method, involves determining triangle
weighting value combined with triangle coarse matching, and calculating
similarity depending on triangle weighting value

Patent Assignee: HUANG J (HUAN-I)

Inventor: HUANG J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030086617	A1	20030508	US 200140114	A	20011025	200358 B

Priority Applications (No Type Date): US 200140114 A 20011025

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030086617	A1	27	G06K-009/68	

Triangle auto matching method, involves determining triangle
weighting value combined with triangle coarse matching, and calculating
similarity depending on triangle weighting value

Inventor: HUANG J

Abstract (Basic):

... The method involves generating a set of **triangular** units and
matching related flag matrices upon a coordinate. A **triangular**
weighting value combined with **triangle** coarse matching depending on
the **triangular** elements and flag matrices is determined. The
coordinate is converted depending on a **triangle** weighting value and
calculating similarity depending on the **triangle** weighting value.
... Used for auto matching method e.g. **biometric** system...

...The drawing shows a flow diagram of the **triangle** auto matching method

...
Title Terms: **TRIANGLE** ;
?

21/3,K/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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013226878

WPI Acc No: 2000-398752/200034

XRPX Acc No: N00-298638

Automatic matching **system for planar pattern points ~ by**
matching **the features to decide whether the patterns are approximate**

Patent Assignee: HSU W (HSUW-I)

Inventor: CHANG S; HSU W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TW 368639	A	19990901	TW 96113185	A	19961029	200034 B

Priority Applications (No Type Date): TW 96113185 A 19961029

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
TW 368639	A		G06K-009/64	

Automatic matching **system for planar pattern points - ...**

...by matching the features to decide whether the patterns are approximate

...Abstract (Basic): A kind of **automatic matching system for planar pattern points** which includes: (1) **coarse matching**: provide the least satisfied conditions when **matching** any point in one **pattern** and any point in another **pattern** so as to filter out the impossible **matched points** in the two **patterns** and to save the **calculation time**; (2) **calculating the matching probability**: employing the fuzzy relaxation to **calculate the matching probability** for all the points in one **pattern** and all the points in another **pattern**; (3) **selecting the matched points**: selecting the most possible **matched points** in the two **patterns** according to the **matching probability** of all the points of the two **patterns**; (4) **calculating the approximation level between two patterns**: **calculating the approximation index between two patterns**; (5) **judging whether two patterns are approximate**: deciding whether two **patterns** are approximate according to a default boundary value. The invention also includes to find out the best geometric adjusting value according to the **matching result** after primary **matching** in order to adjust the test **patterns** for accurate identification result. The invention also provides a novel fuzzy relaxation in **calculating matching probability**.

Title Terms: **AUTOMATIC** ;

International Patent Class (Main): G06K-009/64

21/3,K/2 (Item 2 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012866128 **Image available**

WPI Acc No: 2000-037961/200003

XRPX Acc No: N00-028604

Automatic planar point patterns matching **method in computer system**

Patent Assignee: HSU W (HSUW-I)

Inventor: CHANG S; HSU W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5991430	A	19991123	US 96756526	A	19961126	200003 B

Priority Applications (No Type Date): US 96756526 A 19961126

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5991430	A		22	G06K-009/00	

Automatic planar point patterns matching method in computer system

Abstract (Basic):

... A point (pi) in P pattern is located for every point (qj) in Q pattern, which are then overlapped if they are in same coordinate plan. The similarity of patterns is determined by comparing their index of similarity with a threshold. The point patterns are matched automatically based on similarity value (score) of two patterns.

... The P pattern is a reference pattern including m points where $P=(p_1, p_2, \dots, p_m)$ and Q pattern is a test pattern including n points where $Q=(q_1, q_2, \dots, q_n)$. Each point of pattern is expressed by (x,y,D) where (x,y) is coordinate and D is feature direction of the point. The similarity value (score) of the two patterns is calculated using mated rate (k/n) of reference pattern, mated rate (k/m) of test pattern, average rated possibility of all mated pairs etc. An INDEPENDENT CLAIM is also included for automatic planar point patterns matching device...

...For matching fingerprints in computer system...

... Automatically matches at least two planar point patterns with higher speed and lower false rejection rate...

...The figure shows the system diagram for automatic matching of planar point patterns.

Title Terms: AUTOMATIC ;

International Patent Class (Main): G06K-009/00

International Patent Class (Additional): G06K-009/62

21/3,K/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012812841 **Image available**

WPI Acc No: 1999-619072/199953

XRPX Acc No: N99-456422

Automatic planar point patterns matching method for finger prints recognition

Patent Assignee: HSU W (HSUW-I)

Inventor: CHANG S; HSU W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5974176	A	19991026	US 96756523	A	19961126	199953 B

Priority Applications (No Type Date): US 96756523 A 19961126

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5974176	A		19	G06K-009/46	

Automatic planar point patterns matching method for finger
prints recognition

Abstract (Basic):

... A point (pi) in P pattern and point (qj) in Q pattern are made to overlap mutually or spaced at shorter distance, when they exist in same coordinate plan. Based on the mated result, the similarity of patterns is obtained by comparing the similarity index with threshold value.

... The mated possibility of every point other than (qj point) and pi point in respective patterns, is calculated based on a transformation angle. Several such mated possibility results are accumulated and considered as...

...are selected using a specific relation expressed suitably. An INDEPENDENT CLAIM is also included for automatic planar point pattern matching device...

...Performs automatic pattern matching at high speed and less false rejection rate...

...The figure shows automatic planar point pattern matching flow chart...

Title Terms: AUTOMATIC ;

International Patent Class (Main): G06K-009/46

21/3,K/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010228815 **Image available**

WPI Acc No: 1995-130072/199517

XRPX Acc No: N95-102168

Automatic planar point pattern matching device - uses fuzzy relaxation method to calculate probability of mating point in first pattern to all points of second pattern

Patent Assignee: CHIEN C (CHIE-I); HSU W H (HSUW-I)

Inventor: CHIEN C; HSU W H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5392367	A	19950221	US 91676796	A	19910328	199517 B
			US 9388579	A	19930709	

Priority Applications (No Type Date): US 91676796 A 19910328; US 9388579 A 19930709

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 5392367 A 12 G06K-009/68 Cont of application US 91676796

Automatic planar point pattern matching device...

...uses fuzzy relaxation method to calculate probability of mating point in first pattern to all points of second pattern

...Abstract (Basic): The device includes a first and second memories to save planar positional data of points of first and second points patters. A third memory saves probability values of each point of device first point pattern to mate with each point of device second point pattern. A mating probability is calculated in a device which presets all the probability values of each point of device first point

pattern to mate with each point of device second point **pattern** to set values...

...device uses the sequential forward selection method to select from the first and second point **patterns** pairs of points with the highest mating probability values...

Title Terms: **AUTOMATIC** ;

International Patent Class (Main): **G06K-009/68**

International Patent Class (Additional): **G06K-009/62**

21/3,K/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007742655

WPI Acc No: 1989-007767/198901

XRPX Acc No: N89-005786

Real - time **optical multiple object recognition and tracking appts. - uses multipoint spatial filters to pre-define objects to be recognised at run-time**

Patent Assignee: NAT AERO & SPACE ADMIN (USAS)

Inventor: CHAO T; LIU H K

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US N7154718	N	19881115	US 87154718	A	19871210	198901 B
US 4924507	A	19900508	US 88154718	A	19880211	199023

Priority Applications (No Type Date): US 87154718 A 19871210; US 88154718 A 19880211

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US N7154718	N		18		
US 4924507	A		10		

Real - time **optical multiple object recognition and tracking appts...**

...Abstract (Basic): spatial light modulator (54) to focus the object beam (26') at a set of focal **points** (42). A **planar** transparency-forming film (32) is disposed exposable to form a multiple position interference filter...

...spatial light modulator (54) to focus the object beam (26') at a set of focal **points** (42). A **planar** transparency-forming film (32) is disposed exposable to form a multiple position interference filter...

...spatial light modulator (54) to focus the object beam (26') at a set of focal **points** (42). A **planar** transparency-forming film (32) is disposed exposable to form a multiple position interference filter...

...Abstract (Equivalent): 26') subsequent to the modulator (54), focuses the object beam at a plurality of focal **points** (42). A **planar** transparency-forming film, disposed with the focal points on an exposable surface, forms a multiple...

...the film, exposes the surface, with images focused by the hololens (38), to form interference **patterns** on the surface...

...light passage through respective ones of the positions of the filter (62). Recognition of objects **corresponding** to respective ones of the positions of the filter (62) is affected. For tracking an...

Title Terms: REAL - TIME ;

International Patent Class (Additional): G06K-000/01 ...

... G06K-009/76

?

32/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

016082831 **Image available**
WPI Acc No: 2004-240706/200423
XRPX Acc No: N04-190870

Digital fingerprinting method for access control has an optical arrangement that permits contactless imaging of the finger by determining a distance to the finger using triangulation and then focussing at the determined distance

Patent Assignee: MOOS P (MOOS-I)

Inventor: MOOS P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10239375	A1	20040226	DE 1039375	A	20020825	200423 B

Priority Applications (No Type Date): DE 1039375 A 20020825

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 10239375	A1	10	G06K-009/00	

Digital fingerprinting method for access control has an optical arrangement that permits contactless imaging of the finger by determining a distance to the finger using triangulation and then focussing at the determined distance

Abstract (Basic):

... Digital fingerprinting method in which the fingerprints are captured in a completely contact-free manner by use of at least two periodically imaged partial images from a CMOS planar sensor, so that the triangulation can be used to determine a distance to a finger and ensure it is in...

... Digital fingerprinting method for access control...

...Drawing includes non-English language text). The figure shows a side view of an inventive contactless optical image trigger unit...

...partial images for distance measurement (22a, 22c...

...Title Terms: FINGERPRINT ;

International Patent Class (Main): G06K-009/00

32/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013589362
WPI Acc No: 2001-073569/200109
XRPX Acc No: N01-055910

Method of anticipating and tracking user eye movements in head tracked projectors by dividing the viewing area into triangles and finding the user's viewpoint by interpolation

Patent Assignee: EVANS & SUTHERLAND COMPUTER CO (EVAN-N)

Inventor: SKOLMOSKI P

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2350422	A	20001129	GB 200010863	A	20000508	200109 B
CA 2308822	A1	20001118	CA 2308822	A	20000515	200109

DE 10024161	A1	20010118	DE 1024161	A	20000517	200111
US 6574352	B1	20030603	US 99314425	A	19990518	200339
GB 2350422	B	20030820	GB 200010863	A	20000508	200355

Priority Applications (No Type Date): US 99314425 A 19990518

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2350422	A		29	G01B-011/00	
CA 2308822	A1	E		G02B-027/01	
DE 10024161	A1			G06F-003/00	
US 6574352	B1			G06K-009/00	
GB 2350422	B			G01B-011/00	

Method of anticipating and tracking user eye movements in head tracked projectors by dividing the viewing area into triangles and finding the user's viewpoint by interpolation

Abstract (Basic):

... The projection surface is divided into contiguous spherical **triangles** which are searched to find the **triangle** which contains the user's interpolated viewpoint. A calibration map contains information about the relationship...

... is located by performing a dot product test between the interpolated viewpoint and the normal **vectors** inside the three planes making up the **sides** of each **triangle** extended back to the user's **eye** point. When the test fails for any **side** of a **triangle** the test is restarted in the adjacent **triangle**. When the correct **triangle** is found it is divided into three sub- **triangles** whose areas are calculated to **weight** the calibration points stored within each vertex. The **weighted** calibrations are added to the interpolated viewpoint to create a calibrated viewpoint at which the...

...Title Terms: **EYE** ;

...International Patent Class (Main): G06K-009/00

?

File 9:Business & Industry(R) Jul/1994-2004/Oct 27
(c) 2004 The Gale Group
File 15:ABI/Inform(R) 1971-2004/Oct 29
(c) 2004 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2004/Oct 29
(c) 2004 The Gale Group
File 20:Dialog Global Reporter 1997-2004/Oct 29
(c) 2004 The Dialog Corp.
File 47:Gale Group Magazine DB(TM) 1959-2004/Oct 29
(c) 2004 The Gale group
File 75:TGG Management Contents(R) 86-2004/Oct W3
(c) 2004 The Gale Group
File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Oct 29
(c) 2004 The Gale Group
File 88:Gale Group Business A.R.T.S. 1976-2004/Oct 27
(c) 2004 The Gale Group
File 98:General Sci Abs/Full-Text 1984-2004/Sep
(c) 2004 The HW Wilson Co.
File 112:UBM Industry News 1998-2004/Jan 27
(c) 2004 United Business Media
File 141:Readers Guide 1983-2004/Sep
(c) 2004 The HW Wilson Co
File 148:Gale Group Trade & Industry DB 1976-2004/Oct 15
(c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Oct 29
(c) 2004 The Gale Group
File 264:DIALOG Defense Newsletters 1989-2004/Oct 28
(c) 2004 The Dialog Corp.
File 369:New Scientist 1994-2004/Oct W3
(c) 2004 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
File 484:Periodical Abs Plustext 1986-2004/Oct W4
(c) 2004 ProQuest
File 553:Wilson Bus. Abs. FullText 1982-2004/Sep
(c) 2004 The HW Wilson Co
File 570:Gale Group MARS(R) 1984-2004/Oct 29
(c) 2004 The Gale Group
File 608:KR/T Bus.News. 1992-2004/Oct 29
(c)2004 Knight Ridder/Tribune Bus News
File 620:EIU:Viewswire 2004/Oct 28
(c) 2004 Economist Intelligence Unit
File 613:PR Newswire 1999-2004/Oct 28
(c) 2004 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Oct 29
(c) 2004 The Gale Group
File 623:Business Week 1985-2004/Oct 28
(c) 2004 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2004/Oct 28
(c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2004/Oct 27
(c) 2004 San Jose Mercury News
File 635:Business Dateline(R) 1985-2004/Oct 29
(c) 2004 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2004/Oct 29
(c) 2004 The Gale Group
File 647:CMP Computer Fulltext 1988-2004/Oct W3
(c) 2004 CMP Media, LLC
File 696:DIALOG Telecom. Newsletters 1995-2004/Oct 28

(c) 2004 The Dialog Corp.
 File 674:Computer News Fulltext 1989-2004/Sep W1
 (c) 2004 IDG Communications
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 587:Jane's Defense&Aeròspace 2004/Aug W5
 (c) 2004 Jane's Information Group

Set	Items	Description
S1	277	PLANAR(3N) POINT?
S2	312580	TRIANG?
S3	2076	GEOMETRIC?(3N) (PARAMETER?? OR COORDINATE?)
S4	214	(XY OR X-Y) () COORDINAT?
S5	4794	S2(3N) (VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARSE?)
S6	1932	S2(3N) (MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR R- ANKING OR SCORED OR SCORING OR SCORE)
S7	38	FLAG(3N) (MATRIX OR MATRICE??)
S8	9	S1(3N) (PATTERN? OR DESIGN? OR STRUCTURE? OR CHARACTER? OR - FORMATION? OR SIGNATURE? OR SIMILARIT?)
S9	1800398	FINGERPRINT? OR FINGER() PRINT? OR IRIS OR EYE
S10	76862	BIOMETRIC?
S11	0	S8(3N) (CALCULAT? OR MATCH? OR COMPAR? OR CORRELAT? OR CORR- ESPOND? OR RELATED OR ASSOCIAT?)
S12	0	S11(3N) (AUTOMATIC? OR SPONTANEOUS? OR REALTIME OR REAL() TI- ME OR SIMULTANEOUS?)
S13	13072	(S9 OR S10) (3N) (DATABASE OR INDEX OR FILE?? OR INDICES OR - TABLE?? OR RECORDS)
S14	1083	AU=(HUANG, J? OR HUANG J?)
S15	0	S8(S) (S9 OR S10)
S16	0	S1(S) S2(S) S7
S17	0	S1(S) S2(S) FLAG??
S18	2677	(S2 OR S5 OR S6) (S) (S9 OR S10)
S19	0	S18(S) S1
S20	8	S18(S) PLANAR?
S21	5	RD S20 (unique items)
S22	0	S14(S) S1(S) S2
S23	0	S14 AND S1(S) S2
S24	9	S14 AND (S9 OR S10)
S25	7	RD S24 (unique items)
S26	15	S1(S) S2
S27	0	S26(S) (S9 OR S10)
S28	106	S5(S) S6
S29	0	S28(S) S1
S30	0	S28(S) S7
S31	0	S28(S) FLAG??

21/3,K/1 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03950299 SUPPLIER NUMBER: 14035116 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The newer paradigm: a plea for higher dimensions. (humor)
Holt, Jim
The New Republic, v209, n2, p22(4)
July 12, 1993
ISSN: 0028-6583 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3816 LINE COUNT: 00288

... see at least one higher dimension--the fourth, let us say--in the mind's **eye**. The quickest route to such vision is via analogy. Imagine that, like the Flatlanders of Abbott's fiction, we were two-dimensional beings--circles, squares, **triangles** and so on--sliding around on an infinite plane. How would it look to us if with our **planar** realm, we would observe a single point. As it continued its passage, the point would...

21/3,K/2 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

06512647 SUPPLIER NUMBER: 104208974
Why Chinese painting is history.
Fong, Wen C.
The Art Bulletin, 85, 2, 258(23)
June, 2003
ISSN: 0004-3079 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 16209 LINE COUNT: 01282

... of painting as a representation of the visual world--proposed that there is, instead, a "**planar** structure (that) in fact absolutely establishes and qualifies images and is a major condition of...

...visible their meaning." (100) Chinese painting, which is based on graphic conventions, builds from a **planar**, rather than an optical, structure. Early pictorial representation, using graphic symbols, reads both horizontally along...

...in space was the use of diagonal lines--taken from the sloping shoulders of a **triangular** motif of a gabled roof or a mountain--to form parallelograms that could suggest recession...

...E.), for example, a series of courtyard scenes created by parallelograms presents a bird's- **eye** view of enclosed spaces filled with rows of figures and buildings. Parallelograms also form the...

21/3,K/3 (Item 1 from file: 370)
DIALOG(R)File 370:Science
(c) 1999 AAAS. All rts. reserv.

00507398 (USE 9 FOR FULLTEXT)
Onset of Catalytic Activity of Gold Clusters on Titania with the Appearance of Nonmetallic Properties
Valden, M.; Lai, X.; Goodman, D. W.
Department of Chemistry, Texas A&M University, College Station, TX
77842-3012, USA.
Science Vol. 281 5383 pp. 1647

Publication Date: 9-11-1998 (980911) Publication Year: 1998
Document Type: Journal ISSN: 0036-8075
Language: English
Section Heading: Reports
Word Count: 2515

(THIS IS THE FULLTEXT)

...Text: is one of the most important goals of surface science studies related to heterogeneous catalysis. **Planar** model catalysts (B1) (B2) (B3) consisting of metal clusters supported on thin (2.0 to...average cluster diameters were measured by TEM. The solid line serves merely to guide the eye .

...4.0 ML. (*) Two-dimensional (2D) clusters; (□) 3D clusters, two atom layers in height; ((**triangle** -solid)) 3D clusters with three atom layers or greater in height. (C) Relative population of...

21/3,K/4 (Item 2 from file: 370)
DIALOG(R)File 370:Science
(c) 1999 AAAS. All rts. reserv.

00500713 (USE 9 FOR FULLTEXT)

Nanorod-Superconductor Composites: A Pathway to Materials with High Critical Current Densities

Yang, Peidong; Lieber, Charles M.

P. Yang, Department of Chemistry, Harvard University, Cambridge, MA 02138, USA. ; C. M. Lieber, Division of Applied Sciences and Department of Chemistry, Harvard University, Cambridge, MA 02138, USA.

Science Vol. 273 5283 pp. 1836

Publication Date: 9-27-1996 (960927) Publication Year: 1996

Document Type: Journal ISSN: 0036-8075

Language: English

Section Heading: Reports

Word Count: 3408

(THIS IS THE FULLTEXT)

...Text: single crystals showed that a high density of oriented MgO nanorods can be produced on **planar** substrates (Fig. 2C). The principle growth direction of the nanorods was normal to the substrate... $T_{\infty}(c)$'s of both samples were 80 K. The data shown correspond to **measurements** made at 5 ((**triangle** -solid)), 40 (down **triangle** , filled), and 60 K (lozenge, filled). (B) Dependence of $J_{\infty}(c)$ as a function...

...Design). The solid lines through the points in (A) and (B) are guides to the eye .

...

...had a $T_{\infty}(c)$ of ~80 K. The solid lines are guides to the eye .

...

...Figure Removed

Figure F6

Caption: Plots of the irreversibility line for BSCCO-nanorod composite ((**triangle** -solid)) and BSCCO reference (+) samples. Both samples had a $T_{\infty}(c)$ of ~80 K

21/3,K/5 (Item 1 from file: 608)
DIALOG(R) File 608:KR/T Bus.News.
(c)2004 Knight Ridder/Tribune Bus News. All rts. reserv.

06601280 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Financial Mail, London, U.S. Business Briefs

Financial Mail on Sunday, London

October 25, 1998

DOCUMENT TYPE: NEWSPAPER RECORD TYPE: FULLTEXT LANGUAGE: ENGLISH

WORD COUNT: 689

...TEXT: with his RestAssured Personal Inspection Light -- an ultraviolet handheld flashlight that detects what the naked **eye** cannot.
"You darken the hotel room," explains Schulman. "You turn on the ultraviolet lamp and..."

...miss a big chunk of the US population," says Jeff Nager of North Carolina's **Triangle** Bank. "I don't care if you're one of the largest banks in the world, you have to have a crux of businesses that are micro or smaller."

Triangle is confident lending to small businesses. And the Asian crisis is not likely to cripple...

...it. Students struggle through two and four-year courses in motion dynamics, algorithm analysis and **planar** analytic geometry.
The video game biz is fast-growing and needs educated talent. And DigiPen

...
?

25/3,K/1 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

06684361 SUPPLIER NUMBER: 110459883 (USE FORMAT 7 OR 9 FOR FULL TEXT
)

The Atheist: Madalyn Murray O'Hair. (Book Review)

Huang, Jende

The Humanist, 63, 6, 43(2)

Nov-Dec, 2003

DOCUMENT TYPE: Book Review

ISSN: 0018-7399

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 862 LINE COUNT: 00070

Huang, Jende

... of religion and of theistic belief and the rise of her notoriety in the public eye and eventual fall as a sad spectacle. It also discusses the United States' cultural shift...

25/3,K/2 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

06167370 SUPPLIER NUMBER: 86391203

Are investors listening when politicians speak? Assessing the securities fraud liability of political officials who manage large civic works projects.

Huang, Jeffrey S.

American Criminal Law Review, 39, 1, 147(23)

Wntr, 2002

ISSN: 0164-0364

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 13661 LINE COUNT: 01124

Huang, Jeffrey S.

... projects are often intentionally vague because the political viability of the project in the public eye may be more crucial to its completion than the concerns of the financial community. (50...no doubt was material to investors," it "had to have been styled with a primary eye toward potential bidders for the cellular properties, from whom it wanted, in its shareholders' interests...

25/3,K/3 (Item 2 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

05510434 SUPPLIER NUMBER: 64493859

Synthesis of Poly(2,5-di-n-butoxy-p-phenylene vinylene) and Its Application in Light-Emitting Diodes.

WANG, GUOJIE; HUANG, JINGSONG ; LI, MIN; CHEN, XINFANG; LIU, SHIYONG

Polymer Engineering and Science, 40, 7, 1606

July, 2000

ISSN: 0032-3888

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 2972 LINE COUNT: 00231

... HUANG, JINGSONG

... 1). The aromatic ring vibrations and deformation vibrations of the side chains appear in the fingerprint region between 1600 and 1348 (cm.sup.-1). The strong band at 1248 (cm.sup.-1).

25/3,K/4 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

16674429 SUPPLIER NUMBER: 111300284 (USE FORMAT 7 OR 9 FOR FULL TEXT
)

Comment.

Wu, Colin O.; Huang, Jianhua Z.
Journal of the American Statistical Association, 98, 463, 588(4)
Sept, 2003
ISSN: 0162-1459 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 3237 LINE COUNT: 00290

... Huang, Jianhua Z.
... E. (2003), "Multiple Outputation: Inference for Complex
Multivariate Data by Averaging Analyses From Univariate Data," **Biometrics**
, 59, 420-429.
Higgins, M. W. (1984), "The Framingham Heart Study: Review of
Epidemiological Design...

25/3,K/5 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

10160478 SUPPLIER NUMBER: 20098814 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Sieve estimation for the proportional-odds failure-time regression model
with interval censoring.**

Huang, Jian ; Rossini, A.J
Journal of the American Statistical Association, v92, n439, p960(8)
Sep, 1997
ISSN: 0162-1459 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 7205 LINE COUNT: 00620

Huang, Jian ...
... Verlag.
Finkelstein, D. M. (1986), "A Proportional Hazards Model for
Interval-Censored Failure Time Data," **Biometrics** , 42, 845-854.
Finkelstein, D. M., and Wolfe, R. A. (1985), "A Semiparametric Model
for Regression Analysis of Interval-Censored Failure Time Data,"
Biometrics , 41, 933-945.
Gill, P. E., Murray, W., Saunders, M. A., and Wright, M. H...

25/3,K/6 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

2572543 641071991
**At Maine Med, it's click vs. scribble ; To avoid medical mistakes born of
illegible writing, the medical staff is computerizing orders.**
HUANG, JOSIE
Portland Press Herald pl.A
May 24, 2004
WORD COUNT: 1,049
DATELINE: Portland Maine

HUANG, JOSIE

TEXT:

...much more than they do on a computer screen - that's just the way our **eye** and our brain assimilate information."

For less tech-savvy physicians, computerized systems are also more ...

25/3,K/7 (Item 2 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

2488114 455233611

BAR'S PLAN TO MOVE IRKS NEW NEIGHBORS ; C.J. Thirsty's neighbors at its present location have plenty of complaints about rowdiness and noise.

HUANG, JOSIE

Portland Press Herald pl.B

Nov 20, 2003

WORD COUNT: 954

DATELINE: Portland Maine

HUANG, JOSIE

TEXT:

...a week. Each week, she diligently sweeps cigarette butts off the sidewalk and keeps an **eye** on children living in apartments across the street as they wait for the school bus...
?

File 348:EUROPEAN PATENTS 1978-2004/Oct W03

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20041028,UT=20041021

(c) 2004 WIPO/Univention

Set	Items	Description
S1	886	PLANAR(3N)POINT?
S2	93068	TRIANG?
S3	2399	GEOMETRIC?(3N)(PARAMETER?? OR COORDINATE?)
S4	699	(XY OR X-Y)()COORDINAT?
S5	8858	S2(3N)(VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARSE?)
S6	1252	S2(3N)(MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR R- ANKING OR SCORED OR SCORING OR SCORE)
S7	116	FLAG(3N)(MATRIX OR MATRICE??)
S8	40	S1(3N)(PATTERN? OR DESIGN? OR STRUCTURE? OR CHARACTER? OR - FORMATION? OR SIGNATURE? OR SIMILARIT?)
S9	90510	FINGERPRINT? OR FINGER()PRINT? OR IRIS OR EYE
S10	4368	BIOMETRIC?
S11	1	S8(3N)(CALCULAT? OR MATCH? OR COMPAR? OR CORRELAT? OR CORR- ESPOND? OR RELATED OR ASSOCIAT?)
S12	0	S11(3N)(AUTOMATIC? OR SPONTANEOUS? OR REALTIME OR REAL()TI- ME OR SIMULTANEOUS?)
S13	2196	(S9 OR S10)(3N)(DATABASE OR INDEX OR FILE?? OR INDICES OR - TABLE?? OR RECORDS)
S14	467	AU=(HUANG, J? OR HUANG J?)
S15	33	S1(S)(S2 OR S5 OR S6)
S16	1	S15(S)(S9 OR S10)
S17	1	S16 NOT S11
S18	33	S1(S)S2
S19	1	S18(S)(S9 OR S10)
S20	0	S19 NOT (S16 OR S11)
S21	0	(S2 OR S3 OR S4 OR S5 OR S6)(10N)S7
S22	2	S7 AND IC=G06K?
S23	2	S22 NOT (S16 OR S11)
S24	237	S2(10N)(S9 OR S10)
S25	1	S24(5N)PLANAR?
S26	1	S25 NOT (S16 OR S11)
S27	0	TRIANG?(3N)SIDE(3N)S7
S28	36	S24(10N)POINT?
S29	0	S28(10N)FLAG??
S30	3	S28(10N)(MEASUR? OR WEIGHT? OR WEIGH? OR RANKED OR RANK OR RANKING OR SCORED OR SCORING OR SCORE)
S31	3	S30 NOT (S22 OR S16 OR S11)
S32	12	S28(10N)(VECTOR? OR VERTICES OR ANGLE?? OR SIDE?? OR COARS- E?)
S33	12	S32 NOT (S30 OR S22 OR S16 OR S11)
S34	0	S14 AND S1
S35	23	S14 AND (S9 OR S10)
S36	0	S35(3N)S2
S37	0	S35(S)S2
S38	0	S35 AND IC=G06K?
S39	0	S35(S)S1
S40	0	S35(S)S7

17/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00909145 **Image available**

**PLANAR LASER ILLUMINATION AND IMAGING (PLIIM) SYSTEMS WITH INTEGRATED
DESPECKLING MECHANISMS PROVIDED THEREIN
SYSTEMES PLIIM D'ILLUMINATION ET D'IMAGERIE AU LASER PLANAIRE A MECANISME
DE DECHATOIEMENT INTEGRE**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200243195 A2-A3 20020530 (WO 0243195)
Application: WO 2001US44011 20011121 (PCT/WO US0144011)
Priority Application: US 2000721885 20001124; US 2001780027 20010209; US
2001781665 20010212; US 2001883130 20010615; US 2001954477 20010917; US
2001999687 20011031

Parent Application/Grant:

Related by Continuation to: US 2001954477 20010917 (CIP)

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 298301

Fulltext Availability:

Claims

Claim

... array 301B is to optically combine the spatial phase modulated PUB
components so that each **point** on the surface of the target object being
illuminated by numerous spatial-phase delayed PLIB...the transmitted
PLIB; and (v) the number of real laser illumination sources employed in
each **planar** laser illumination array in the PLIIM-based system.
Parameters (1) through (iv) will factor into...

?

23/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00528563

Method and apparatus for the detection of dot-matrix printed text so as to improve optical character recognition

Verfahren und Gerat zur Detektion von Text in Punktmatrixdruck zur Verbesserung von optischer Zeichenerkennung

Procede et appareil de detection de texte imprime en matrice de points en vue d'une perfectionnement de la reconnaissance optique des caracteres

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201214), 343 State Street, Rochester, New York 14650-2201, (US), (applicant designated states: DE;FR;GB;NL)

INVENTOR:

Hadgis, George Anthony, c/o Eastman Kodak Company, Patent Legal Staff, 343 State Street, Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Garratt, Peter Douglas et al (43121), Mathys & Squire 100 Grays Inn Road, London WC1X 8AL, (GB)

PATENT (CC, No, Kind, Date): EP 539854 A2 930505 (Basic)

EP 539854 A3 940504

EP 539854 B1 990317

APPLICATION (CC, No, Date): EP 92117975 921021;

PRIORITY (CC, No, Date): US 786474 911101

DESIGNATED STATES: DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: G06K-009/20

ABSTRACT WORD COUNT: 62

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	9911	692
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CLAIMS B	(German)	9911	641
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CLAIMS B	(French)	9911	799
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SPEC B	(English)	9911	3159
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Total word count - document A	0
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Total word count - document B	5291
-------------------------------	------

Total word count - documents A + B	5291
------------------------------------	------

INTERNATIONAL PATENT CLASS: G06K-009/20

...SPECIFICATION referred to as region or neighborhood) be processed and based on certain characteristics, identify or flag when dot-matrix printed text is present within the current M x N kernel. This M x N...

23/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00195021

EARLY FAULT DETECTION FOR A TOUCH INPUT DEVICE.

FRUHZEITIGE FEHLERFESTSTELLUNG FUR EINE BERUHRUNGSEINGABEVORRICHTUNG.

DETECTION PRECOCE DE DEFAILLANCES POUR UN DISPOSITIF D'INTRODUCTION DE DONNEES PAR EFFLEUREMENT.

PATENT ASSIGNEE:

Carroll Touch, Inc., (734080), 2800 Oakmont Drive, Round Rock Texas 78680, (US), (applicant designated states: DE;FR;GB;IT;NL)

INVENTOR:

CARROLL, Arthur, Bruce, 207 Ridgewood Drive, Georgetown, TX 78626, (US)
CARSTEDT, John, Keith, 1300 Oakridge Drive, Round Rock, TX 78664, (US)
LEGAL REPRESENTATIVE:

Warren, Keith Stanley et al (37351), BARON & WARREN 18 South End
Kensington, London W8 5BU, (GB)

PATENT (CC, No, Kind, Date): EP 199764 A1 861105 (Basic)
EP 199764 B1 911218
WO 8602755 860509

APPLICATION (CC, No, Date): EP 85905289 851015; WO 85US1993 851015

PRIORITY (CC, No, Date): US 666949 841031

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: G06K-011/08

NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	278
CLAIMS B	(German)	EPBBF1	249
CLAIMS B	(French)	EPBBF1	306
SPEC B	(English)	EPBBF1	7839
Total word count - document A			0
Total word count - document B			8672
Total word count - documents A + B			8672

INTERNATIONAL PATENT CLASS: G06K-011/08

...SPECIFICATION beams thereby effectively doubling the resolution or
interpolation of the present system to a 32x64 **matrix** . Should a warning
flag be indicated as a result of early fault detection, then a number
of schemes may...

?

26/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01032277

Optical sighting device
Optische Visiereinrichtung
Appareil de visee optique

PATENT ASSIGNEE:

Trijicon, Inc., (1368914), 49385 Shafer Avenue, Wixom Michigan 48393-0059
, (US), (Applicant designated States: all)

INVENTOR:

Bindon, Glyn Aubrey J., 11026 Sandy Creek Drive, South Lyon, Michigan
18178, (US)

Kennedy, Paul, 37 Whiting Road, East Hartford, Connecticut 06118, (US)

LEGAL REPRESENTATIVE:

Nicholls, Michael John (61941), J.A. KEMP & CO. 14, South Square Gray's
Inn, London WC1R 5LX, (GB)

PATENT (CC, No, Kind, Date): EP 918243 A2 990526 (Basic)
EP 918243 A3 000202

APPLICATION (CC, No, Date): EP 98309132 981106;

PRIORITY (CC, No, Date): US 975150 971120

DESIGNATED STATES: AT; CH; DE; FR; GB; IT; LI; NL; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G02B-027/34; F41G-001/00

ABSTRACT WORD COUNT: 47

NOTE:

Figure number on first page: 11

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9921	2175
SPEC A	(English)	9921	7874
Total word count - document A			10049
Total word count - document B			0
Total word count - documents A + B			10049

...SPECIFICATION The resultant triangle has a base or bottom edge line 36'.
As viewed by the **eye** 24 the resultant **triangle** will appear flat or
planar .

Although the roof surfaces 34 extend a significant distance beyond the
edge line 36', light...polished surface 34aa as shown in Figures 6 and 7.
Again as viewed by the **eye** 24 the **triangular** shape will appear flat
or **planar** .

Looking now to Figure 10, in conjunction with Figures 1A and 1B, the
optical gun...

?

31/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00363868

Ophthalmological diagnosis method and apparatus.
Ophthalmoskopisches Diagnoseverfahren und Gerat.
Methode et appareil ophtalmologique pour le diagnostic.

PATENT ASSIGNEE:

KOWA COMPANY LTD., (410434), 6-29, Nishiki 3-chome, Naka-ku Nagoya-shi
Aichi-ken, 460, (JP), (applicant designated states: CH;DE;FR;GB;IT;LI)

INVENTOR:

Aizu, Yoshihisa, 3-5-202 Fujinodai-danchi 3133 Kanai-cho, Machida-shi
Tokyo, 194-01, (JP)

Sugita, Toshiaki, 1-17-11 Asahigaoka, Hino-shi Tokyo, 191, (JP)

Ogino, Kouji, 1-17-11 Asahigaoka, Hino-shi Tokyo, 191, (JP)

LEGAL REPRESENTATIVE:

Miller, Joseph et al (33871), J. MILLER & CO. 34 Bedford Row, Holborn,
London WC1R 4JH, (GB)

PATENT (CC, No, Kind, Date): EP 337745 A1 891018 (Basic)
EP 337745 B1 940105

APPLICATION (CC, No, Date): EP 89303590 890412;

PRIORITY (CC, No, Date): JP 8891672 880415

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

INTERNATIONAL PATENT CLASS: A61B-003/12;

ABSTRACT WORD COUNT: 167

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	912
CLAIMS B	(German)	EPBBF1	879
CLAIMS B	(French)	EPBBF1	996
SPEC B	(English)	EPBBF1	10948
Total word count - document A			0
Total word count - document B			13735
Total word count - documents A + B			13735

...SPECIFICATION of a rectangle, as shown in Figure 18a; or as shown in Figure 18b, a **triangular** arrangement may be used with the center of each of three adjacent apertures 65(min) forming the apex **points** of the triangle. Instead of such **apertures**, an optical fiber bundle 77(min) may be used in which each optical fiber has...

31/3,K/2 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00857812

METHOD AND APPARATUS FOR MEASURING OCULAR ALIGNMENT
PROCEDE ET APPAREIL D'ADAPTATION CONTROLEE DE LA CORNEE

Patent Applicant/Assignee:

SENSOMOTORIC INSTRUMENTS GMBH, Warthestrasse 21, 14513 Teltow, DE, DE
(Residence), DE (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

TAYLOR Natalie, Warthestrasse 21, 14513 Teltow, DE, DE (Residence), DE
(Nationality), (Designated only for: US)

LUTZ Peter, Warthestrasse 21, 14513 Teltow, DE, DE (Residence), DE
(Nationality), (Designated only for: US)

SCHMIDT Eberhard, Warthestrasse 21, 14513 Teltow, DE, DE (Residence), DE
(Nationality), (Designated only for: US)
TEIWES Winfried, Warthestrasse 21, 14513 Teltow, DE, DE (Residence), DE
(Nationality), (Designated only for: US)
WEISE Ralf, Warthestrasse 21, 14513 Teltow, DE, DE (Residence), DE
(Nationality), (Designated only for: US)

Legal Representative:

DORRIES FRANK-MOLNIA & POHLMAN (agent), Postfach 221661, 80506 Munich, DE

Patent and Priority Information (Country, Number, Date):

Patent: WO 200189373 A2-A3 20011129 (WO 0189373)
Application: WO 2001EP5838 20010521 (PCT/WO EP0105838)
Priority Application: US 2000206091 20000520

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5908

Fulltext Availability:

Detailed Description

Detailed Description

... the exact camera positions are known. With the preferred system all
six coordinates of the **eye** could be **measured** by **triangulation** of
three different **points** on the **eye**, e.g. with two further so-called
landmarks that can be recognized easily.

With only...

31/3,K/3 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00386816 **Image available**

METHOD OF CREATING AND SEARCHING A MOLECULAR VIRTUAL LIBRARY USING
VALIDATED MOLECULAR STRUCTURE DESCRIPTORS
PROCEDE POUR CREER UNE BIBLIOTHEQUE MOLECULAIRE VIRTUELLE ET PROCEDE POUR Y
FAIRE DES RECHERCHES, EN UTILISANT DES DESCRIPTEURS VALIDES DE
STRUCTURE MOLECULAIRE

Patent Applicant/Assignee:

PATTERSON David E,
CRAMER Richard D,
CLARK Robert D,
FERGUSON Allan M,

Inventor(s):

PATTERSON David E,
CRAMER Richard D,
CLARK Robert D,
FERGUSON Allan M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9727559 A1 19970731
Application: WO 97US1491 19970127 (PCT/WO US9701491)
Priority Application: US 96592132 19960126; US 96657147 19960603
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
AU CA CN CZ HU IL JP KR NO PL US AT BE CH DE DK ES FI FR GB GR IE IT LU
MC NL PT SE
Publication Language: English
Fulltext Word Count: 125926

Fulltext Availability:
Detailed Description

Detailed Description

... and {max. metric value, 0}. For a metric to be a valid and a useful
measure of molecular diversity, the density of **points** in the lower
right trapezoid should be significantly greater than the density in the
upper left **triangle** . To determine the correct placement of the line,
the variation in the density of points...

?

33/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01430594

A language modelling system and a fast parsing method
Sprachmodellierungsvorrichtung und Verfahren zur schnellen Analyse
Systeme de modelisation du langage et methode pour l'analyse rapide

PATENT ASSIGNEE:

Natlantech Naamloze Vennootschap, (3196340), Frans van Ryhovelaan, 280,
9000 Gent, (BE), (Applicant designated States: all)

INVENTOR:

De Brabander, Filip, Frans Van Ryhovelaan 280, 9000 Gent, (BE)

LEGAL REPRESENTATIVE:

Quintelier, Claude et al (73885), Gevers & Vander Haeghen, Livornostraat
7, 1060 Brussels, (BE)

PATENT (CC, No, Kind, Date): EP 1209560 A1 020529 (Basic)

APPLICATION (CC, No, Date): EP 2000870278 001121;

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/44

ABSTRACT WORD COUNT: 169

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200222	3054
SPEC A	(English)	200222	18907
Total word count - document A			21961
Total word count - document B			0
Total word count - documents A + B			21961

...SPECIFICATION How 3D co-ordinates relate to the 2D angular eye
viewpoint, plus distance of the **point** from the **eye** centre.

Figure 4

Introduction to 3D visualisation: How a 3D **triangle** can be described
with the co-ordinates of its three **vertices** .

Figure 5

Introduction to 3D visualisation: To wallpaper the surface, a
stretching operation is done...

33/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01058631

Three-dimensional graphics accelerator
Dreidimensionaler graphischer Beschleuniger
Accelérateur graphique tridimensionnel

PATENT ASSIGNEE:

SUN MICROSYSTEMS, INC., (1392733), 901 San Antonio Road, Palo Alto,
California 94303, (US), (Applicant designated States: all)

INVENTOR:

Nelson, Scott R., 4429 Clovewood Lane, Pleasanton, California 94588, (US)

Deering, Michael F., 657 Cuesta Drive, Los Altos, California 94042, (US)
LEGAL REPRESENTATIVE:

Harris, Ian Richard et al (72231), D. Young & Co., 21 New Fetter Lane,
London EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 933729 A2 990804 (Basic)
EP 933729 A3 020508

APPLICATION (CC, No, Date): EP 99300759 990202;

PRIORITY (CC, No, Date): US 17973 980203

DESIGNATED STATES: DE; FR; GB; IT; NL; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06T-015/50; G06T-015/20

ABSTRACT WORD COUNT: 267

NOTE:

Figure number on first page: 6A

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9931	1319
SPEC A	(English)	9931	7574
Total word count - document A			8893
Total word count - document B			0
Total word count - documents A + B			8893

...ABSTRACT A2

A rapid method for calculating a local **eye vector** in a fixed **point** lighting unit. For a given **triangle** primitive which is to be projected into a given viewport in screen space coordinates, the...

...SPECIFICATION out in the claims.

The present invention comprises a rapid method for calculating a local **eye vector** in a fixed **point** lighting unit. For a given **triangle** primitive which is to be projected into a given viewport in screen space coordinates, the...

33/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01032277

Optical sighting device

Optische Visiereinrichtung

Appareil de visee optique

PATENT ASSIGNEE:

Trijicon, Inc., (1368914), 49385 Shafer Avenue, Wixom Michigan 48393-0059
, (US), (Applicant designated States: all)

INVENTOR:

Bindon, Glyn Aubrey J., 11026 Sandy Creek Drive, South Lyon, Michigan
18178, (US)

Kennedy, Paul, 37 Whiting Road, East Hartford, Connecticut 06118, (US)

LEGAL REPRESENTATIVE:

Nicholls, Michael John (61941), J.A. KEMP & CO. 14, South Square Gray's
Inn, London WC1R 5LX, (GB)

PATENT (CC, No, Kind, Date): EP 918243 A2 990526 (Basic)
EP 918243 A3 000202

APPLICATION (CC, No, Date): EP 98309132 981106;

PRIORITY (CC, No, Date): US 975150 971120

DESIGNATED STATES: AT; CH; DE; FR; GB; IT; LI; NL; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G02B-027/34; F41G-001/00

ABSTRACT WORD COUNT: 47

NOTE:

Figure number on first page: 11

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9921	2175
SPEC A	(English)	9921	7874
Total word count - document A			10049
Total word count - document B			0
Total word count - documents A + B			10049

...CLAIMS roof surfaces being polished to a generally mirror like finish and operable at said preselected **angle** to reflect light from said reticle pattern towards the **eye** of the observer, said reticle pattern providing a generally **triangular** shape with a substantially **pointed** end whereby a well defined aiming point is provided.

15. A telescopic sighting device for...

...roof surfaces being polished to a generally mirror like finish and operable at said preselected **angle** to reflect light from said reticle pattern towards the **eye** of the observer, said reticle pattern providing a generally **triangular** shape with a substantially **pointed** end whereby a well defined aiming point is provided,
shutter means operatively connected with said

33/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00702282

FINGERPRINT ANALYZING AND ENCODING SYSTEM

SYSTEM ZUR ANALYSE UND ZUM KODIEREN VON FINGERABDRUCKEN

SYSTEME D'ANALYSE ET DE CODAGE D'EMPREINTES DIGITALES

PATENT ASSIGNEE:

JASPER CONSULTING, INC., (1799541), Suite 200 403 Fourth Street N.W.,
Bemidji, MN 56601-1497, (US), (Proprietor designated states: all)

INVENTOR:

TAKHAR, Harinder, S., 72 Skyline Village, Bemidji, MN 56601, (US)

WENDT, Barry, M., 12020 - 71st Place North, Maple Grove, MN 55369, (US)

WITTIG, Benedict, A., 10264 Scarborough Circle, Bloomington, MN 55437,
(US)

LEGAL REPRESENTATIVE:

Lund, Preben et al (61071), Larsen & Birkeholm A/S, Banegardspladsen 1,
P.O. Box 362, 1570 Copenhagen V, (DK)

PATENT (CC, No, Kind, Date): EP 728341 A1 960828 (Basic)

EP 728341 B1 991110

WO 9513591 950518

APPLICATION (CC, No, Date): EP 94931790 940930; WO 94US11119 940930

PRIORITY (CC, No, Date): US 152974 931112

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC;
NL; PT; SE

INTERNATIONAL PATENT CLASS: G06K-009/00

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9945	900
CLAIMS B	(German)	9945	817
CLAIMS B	(French)	9945	1027
SPEC B	(English)	9945	16716
Total word count - document A			0
Total word count - document B			19460
Total word count - documents A + B			19460

...SPECIFICATION b) at a 90(degree) angle. This intersection forms an origin coordinate point.

5) A **vector** (c) is typically projected to connect the core and delta points , forming a right **triangle** with **sides** (a), (b), and (c).

6) The **fingerprint** scan is typically normalized by rotating around the origin until **vector** (a) is parallel with the x-axis and vector (b) is parallel with the y...

33/3,K/5 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01160468

VISUAL SIMULATION OF DYNAMIC MOVING BODIES

SIMULATION VISUELLE DE CORPS MOBILES DYNAMIQUES

Patent Applicant/Assignee:

COMPUTER ASSOCIATES THINK INC, One Computer Associates Plaza, Islandia, NY 11749, US, US (Residence), US (Nationality), (For all designated states except: US).

Patent Applicant/Inventor:

LACHMAN Lawrence M, 8008 Pullman Circle, Plano, TX 75024, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

JAWORSKI Richard F (et al) (agent), Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY 10036, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200481743 A2 20040923 (WO 0481743)

Application: WO 2004US7258 20040309 (PCT/WO US04007258)

Priority Application: US 2003386732 20030312

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5887

Fulltext Availability:

Detailed Description

Detailed Description

... LOD complexity is lowered by a

power of 2. Cells that are closer to the **eye point** are **triangulated** more **coarsely** than those farther away. The far clip plane is the linear distance from the eye...

33/3,K/6 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01036730 **Image available**

A TEA BAG

SACHET DE THE

Patent Applicant/Assignee:

TEANGLE A S, Frederiksborggade 15, DK-1360 Copenhagen K, DK, DK
(Residence), DK (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

CHRISTENSEN Henrik Kurt, Rosenvaengets Hovedvej 46.21, DK-2100 Copenhagen O, DK, DK (Residence), DK (Nationality), (Designated only for: US)

CHRISTENSEN Kurt Christian, Henrik Gerners Vej 6, DK-3460 Birkerød, DK, DK (Residence), DK (Nationality), (Designated only for: US)

Legal Representative:

HOLME PATENT A S (agent), Vesterbrogade 20, DK-1620 Copenhagen V, DK,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200366477 A1 20030814 (WO 0366477)

Application: WO 2003DK74 20030207 (PCT/WO DK0300074)

Priority Application: DK 2002183 20020207

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM
DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU
ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK (utility model) SK SL TJ TM TN
TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI
SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: Danish

Fulltext Word Count: 3849

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... string attached to a corner of the tea bag and
running through a slit or **eye** at the **point** of the **triangle**
opposite the third **side** of the triangle and having a length
allowing the tea bag to exit the envelope...

Claim

... attached to a corner of the tea bag
(2) and running through a slit or **eye** (21) at the
triangle point opposite the third **side** (7) of the
triangle and having a length allowing the tea bag
(2) to exit...

33/3,K/7 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00566667 **Image available**

ADVANCED DEFERRED SHADING GRAPHICS PIPELINE PROCESSOR
PROCESSEUR PIPELINE GRAPHIQUE EVOLUE A OMBRAGE DIFFERE

Patent Applicant/Assignee:

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(Residence), US (Nationality)

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200030040 A1 20000525 (WO 0030040)
Application: WO 99US18971 19990820 (PCT/WO US9918971)
Priority Application: US 9897336 19980820; US 98213990 19981217

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 180456

Fulltext Availability:
Detailed Description

Detailed Description

... detail, each map representing the appearance of the texture at a given distance from an **eye point**; the texture unit performing tri-linear interpolation from the texture maps to produce a texture...downstream from the MIJ block need information about the type of the primitive (i.e. **point**, **line**, **triangle**, **line-mode triangle**); its geometry such as window and **eye** coordinates, normal, color, and texture coordinates at the **vertices** of the primitive; and the rendering state such as the PixelModes, TextureA, TextureB, Light, Material...downstream from the MIJ block need information about the type of the primitive (e.g., **point**, **line**, **triangle**, **line-mode triangle**); its vertex information V2 (such as window and **eye** coordinates, normal, color, and texture coordinates at the **vertices** of the primitive); and the state information S3 that was active when the primitive was...

33/3,K/8 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00556004 **Image available**

GRAPHICS PROCESSOR WITH DEFERRED SHADING

PROCESSEUR GRAPHIQUE A OMBRAGE DIFFERE

Patent Applicant/Assignee:

APPLE COMPUTER INC,

Inventor(s):

DULUK Jerome F Jr,
HESSEL Richard E,
ARNOLD Vaughn T,
BENKUAL Jack,
BRATT Joseph P,
CUAN George,
DODGEN Steven L,
FANG Emerson S,
GONG Zhaoyu G,
HO Thomas Y,
HSU Hengwei,
LI Sidong,
NG Sam,
PAPAKIPOS Matthew N,
REDGRAVE Jason R,
TRIVEDI Sushma S,
TUCK Nathan D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200019377 A1 20000406 (WO 0019377)

Application: WO 99US19254 19990820 (PCT/WO US9919254)

Priority Application: US 9897336 19980820; US 98213990 19981217

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 63957

Fulltext Availability:
Detailed Description

Detailed Description

... downstream from the MIJ block need information about the type of the primitive (i.e. **point** , line, **triangle** , line-mode **triangle**); its geometry such as window and **eye** coordinates, normal, color, and texture coordinates at the **vertices** of the primitive; and the rendering state such as the PixelModes, TextureA, TextureB, Light, Material...

33/3,K/9 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00548241 **Image available**

TANGENT SPACE LIGHTING IN A DEFERRED SHADING ARCHITECTURE
COMMENT ASSURER UN ECLAIRAGE D'ESPACE TANGENTIEL DANS UNE ARCHITECTURE
D'OMBRAGE RETARDE

Patent Applicant/Assignee:

APPLE COMPUTER INC,

Inventor(s):

DULUK Jerome F Jr,
DODGEN Steven L,
PAPAKIPOS Matthew N,
TUCK Nathan D,
BRATT Joseph P,
HESSEL Richard E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200011614 A2 20000302 (WO 0011614)

Application: WO 99US19036 19990820 (PCT/WO US9919036)

Priority Application: US 9897336 19980820; US 98213990 19981217

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 63368

Fulltext Availability:
Detailed Description

Detailed Description

... downstream from the MIJ block need information about the type of the primitive (i.e. **point** , line, **triangle** , line-mode **triangle**); its geometry such as window and **eye** coordinates, normal, color, and texture coordinates at the **vertices** of the primitive; and the rendering state such as the PixelModes, TextureA, TextureB, Light, Material...

33/3,K/10 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00548234 **Image available**

DEFERRED SHADING GRAPHICS PIPELINE PROCESSOR
PROCESSEUR GRAPHIQUE PIPELINE A OMBRAGE REPORTE

Patent Applicant/Assignee:

APPLE COMPUTER INC,

Inventor(s):

DULUK Jerome F Jr,
HESSEL Richard E,
ARNOLD Vaughn T,
BENKUAL Jack,
BRATT Joseph P,
CUAN George,
DODGEN Steven L,
FANG Emerson S,
GONG Zhaoyu G,
HO Thomas Y,
HSU Hengwei,
LI Sidong,
NG Sam,
PAPAKIPOS Matthew N,
REDGRAVE Jason R,
TRIVEDI Sushma S,
TUCK Nathan D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200011607 A1 20000302 (WO 0011607)

Application: WO 99US19191 19990820 (PCT/WO US9919191)

Priority Application: US 9897336 19980820

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 19299

Fulltext Availability:

Detailed Description

Detailed Description

... downstream from the MIJ block need information about the type of the primitive (i.e. **point** , line, **triangle** , line-mode **triangle**); its geometry such as window and **eye** coordinates, normal, color, and texture coordinates at the **vertices** of the primitive; and the rendering state such as the PixelModes, TextureA, TextureB.

Light, Material...

33/3,K/11 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00548230 **Image available**

GRAPHICS PROCESSOR WITH PIPELINE STATE STORAGE AND RETRIEVAL

PROCESSEUR GRAPHIQUE A STOCKAGE ET RECUPERATION DE L'ETAT PIPELINE

Patent Applicant/Assignee:

APPLE COMPUTER INC,

Inventor(s):

DULUK Jerome F Jr,
BENKUAL Jack,
GO Shun Wai,
TRAVEDI Sushma,
HESSEL Richard E,
BRATT Joseph P,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200011603 A2 20000302 (WO 0011603)

Application: WO 99US19200 19990820 (PCT/WO US9919200)

Priority Application: US 9897336 19980820

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE
GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK
MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU
ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 15919

Fulltext Availability:

Detailed Description

Detailed Description

... downstream from the NM block need information about the type of the primitive (e.g., **point**, line, triangle, line-mode **triangle**); its vertex information V2 (such as window and **eye** coordinates, normal, color, and texture coordinates at the **vertices** of the primitive); and the state information S3 that was active when the primitive was...

33/3,K/12 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00295442 **Image available**

FINGERPRINT ANALYZING AND ENCODING SYSTEM

SYSTEME D'ANALYSE ET DE CODAGE D'EMPREINTES DIGITALES

Patent Applicant/Assignee:

JASPER CONSULTING INC,

Inventor(s):

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WENDT Barry M,
WITTIG Benedict A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9513591 A1 19950518

Application: WO 94US11119 19940930 (PCT/WO US9411119)

Priority Application: US 93152974 19931112

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR
KZ LK LR LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA
UZ VN KE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ
CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 20135

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... vector (b) at a 900 angle, This intersection forms an origin coordinate point.

5) A **vector** (c) is typically projected to connect the core and delta **points** , forming a right **triangle** with **sides** (a), (b), and (c).

6) The **fingerprint** scan is typically normalized by rotating around the origin until **vector** (a) is parallel with the x-axis and vector (b) is parallel with the y...

Claim

... the number of ridge crossings of the first, second, and third vectors, the length and **angle** of a core coordinate **vector** , the delta **point** coordinate, and the **fingerprint** classification.

7* The method of claim 5 wherein the **triangle** comprises a right triangle wherein the second **vector** intersects with the first vector at a substantially right angle.

B* A method of converting...the number of ridge crossings of the first, second, and third vectors, the length and **angle** of a core coordinate **vector** , the delta **point** coordinate, and the **fingerprint** classification.

21e The method of claim 19 wherein the **triangle** comprises a substantially right triangle.

22* A method of classifying an image-enhanced rasterized fingerprint...

?

Brian Q Le

S planar(3n)point?
S triang?
S geometric?(3n)(parameter?? Or coordinate?)
S (xy or x-y)()coordinat?
S s2 and (vector? or vertices or angle?? Or side?? Or coarse?)
S s2 And (measur? or weight? Or weigh? Or ranked or rank or ranking or scored or scoring or score)
S flag(3n)(matrix or matrice??)
S s1 and (pattern? Or design? Or structure? Or character? or formation? Or signature? Or similarit?)
S fingerprint? or finger()print? Or iris or eye
S biometric?
S s8 and (calculat? Or match? Or compar? Or correlat? Or correspond? or related Or associat?)
S s11 and (automatic? Or spontaneous? Or realtime or real()time or simultaneous?)
S (s9 or s10) and (database or index or file?? Or indices or table?? or records)
S au=(Huang, j? or Huang j?)

Pattern Recognition, volume 33 (2000), number 9

- Flusser, Jan, *On the independence of rotation moment invariants*, pp. 1405-1410.
- Gu, Yu-Hua and Tardi Tjahjadi, *Coarse-to-fine planar object identification using invariant curve features and B-spline modeling*, pp. 1411-1422.
- Melkemi, Mahmoud and Mourad Djebali, *Computing the shape of a planar points set*, pp. 1423-1436.

Volume 33, Number 2, February 2000

C. L. Wilson, Craig I. Watson, Eung Gi Paek:

Effect of resolution and image quality on combined optical and neural network fingerprint matching. 317-331